

SUMMARY - CONSTRUCTION

This preliminary estimate is based on previous projects and current construction costs and cannot be guaranteed as the final project cost.

01	DEMOLITION - BUILDING	\$98,350.00
02	SITE	\$30,375.00
03	ENVELOPE	\$408,400.00
04	DOORS & GLAZING	\$241,345.00
05	PARTITIONS	\$320,935.00
06	MILLWORK	\$89,814.00
07	FLOOR FINISHES	\$125,250.00
08	FINISHES	\$56,925.00
09	CEILINGS	\$260,300.00
10	MISCELLANEOUS	\$30,215.00
11	ELECTRICAL	\$336,350.00
12	MECHANICAL	\$721,200.00
13	STRUCTURAL	\$153,824.00
SUBTOTAL:		\$2,873,283.00
14	CONTRACTOR'S FEE	
SUBTOTAL CONSTRUCTION:		\$2,873,283.00
15	PERMIT FEES	\$31,606.11
SUBTOTAL BUDGET:		\$2,904,889.11
	25% Contingency Allowance	\$726,222.28
SUBTOTAL BUDGET:		\$3,631,111.39
TOTAL BUDGET ESTIMATE		\$3,631,111.39

Cost per square feet (based on 10387 sq.ft.) = \$2,873,283.00 / 10387.00 = \$276.62

Note: This estimate does not include the following:

Asbestos Abatement, Consultant fees, overtime and night work, furniture procurement, moving costs and no acoustical measures for the bowling alley

Note: Unless otherwise noted, all costs include material and labour. HST is not included in this budget.

**Class D Construction Budget Estimate
New Embrun Branch Library**

Metric

No.	Description	Unit	Cost/Unit	Quantity	Amount	Subtotals
01	DEMOLITION - BUILDING					
	Rental of bin for construction waste	EA	\$ 800.00	12.00	\$9,600.00	
	Demo - existing ceiling	m2	\$ 20.00	965.00	\$19,300.00	
	Demo - existing Flooring	m2	\$ 30.00	965.00	\$28,950.00	
	Demo- existing partitions	m2	\$ 50.00	426.00	\$21,300.00	
	Demo - portion of existing exterior Envelope	m2	\$ 30.00	640.00	\$19,200.00	
					SUBTOTAL:	\$98,350.00
02	SITE					
	Asphalt Removals	m2	\$ 95.00	125.00	\$11,875.00	
	New Asphalt	m2	\$ 120.00	125.00	\$15,000.00	
	New parking lines (for Library parking only)	sum	\$ 3,500.00	1.00	\$3,500.00	
					SUBTOTAL:	\$30,375.00
03	ENVELOPE					
2.1	New exterior mineral Insulation	m2	\$ 20.00	640.00	\$12,800.00	
	New exterior Siding	m2	\$ 375.00	640.00	\$240,000.00	
	New insulation and fireproofing to u/s of roof	m2	\$ 160.00	840.00	\$134,400.00	
	New Roofs	m2	\$ 45.00	80.00	\$3,600.00	
	Roof Repairs	m2	\$ 100.00	80.00	\$8,000.00	
	New Canoly Roof	m2	\$ 120.00	80.00	\$9,600.00	
					SUBTOTAL:	\$408,400.00
04	DOORS & GLAZING					
	New Wood doors w/ metal frame c/w hardware	each	\$ 2,000.00	36.00	\$72,000.00	
	New HM doors/metal frame c/w hardware	each	\$ 1,750.00	2.00	\$3,500.00	
	New HMInsulated doors/metal frame c/w hardware	each	\$ 2,500.00	4.00	\$10,000.00	
	New aluminum-framed glazing (Main Entrance)	each	\$ 4,000.00	2.00	\$8,000.00	
	New Skylights	each	\$ 8,000.00	4.00	\$32,000.00	
	Interior Glazing	m2	\$ 760.00	77.00	\$58,520.00	
	Secure electronic FOB access	each	\$ 2,575.00	7.00	\$18,025.00	
	Automatic door opener	each	\$ 2,700.00	9.00	\$24,300.00	
	Glazing film for glazing	m2	\$ 500.00	30.00	\$15,000.00	
					SUBTOTAL:	\$241,345.00
05	PARTITIONS					
	Gypsum Board partition Type P1	m2	\$ 325.00	210.00	\$68,250.00	
	Gypsum Board partition Type P1A	m2	\$ 295.00	80.00	\$23,600.00	
	Gypsum Board partition Type P2	m2	\$ 350.00	330.00	\$115,500.00	
	Gypsum Board partition Type P3	m2	\$ 330.00	187.00	\$61,710.00	
	Shaft wall partitions P4	m2	\$ 300.00	16.00	\$4,800.00	
	Shaft wall partitions P5	m2	\$ 300.00	145.00	\$43,500.00	
	Low partitions c/w reinforcing	m2	\$ 325.00	11.00	\$3,575.00	
					SUBTOTAL:	\$320,935.00
06	MILLWORK					
	Typical plastic laminate millwork - counter, c/w closed upper and lower cabinets.	lm	\$ 1,930.00	14.30	\$27,599.00	
	Blocking to support millwork	lm	\$ 50.00	14.30	\$715.00	
	Universal WR Accessories	ea	\$ 15,000.00	2.00	\$30,000.00	
	Accessible Stall Accessories	ea	\$ 2,500.00	3.00	\$7,500.00	
	All-Gender WR Accessories (006)	ea	\$ 12,000.00	1.00	\$12,000.00	
	All-Gender WR Accessories (043)	ea	\$ 12,000.00	1.00	\$12,000.00	
					SUBTOTAL:	\$89,814.00
07	FLOOR FINISHES					
	Carpet Tile - supply and install	m2	\$ 70.00	410.00	\$28,700.00	
	Vinyl flooring- supply and install	m2	\$ 85.00	266.00	\$22,610.00	
	Ceramic Tile & base- supply and install	m2	\$ 150.00	222.00	\$33,300.00	
	Rubber base- supply and install	LF	\$ 9.00	260.00	\$2,340.00	
	Carpet base- supply and install	LM	\$ 10.00	225.00	\$2,250.00	
	Levelling and floor preparation to receive new finish	m2	\$ 10.00	965.00	\$9,650.00	
	New Roller Blinds	ea	\$ 1,200.00	22.00	\$26,400.00	
					SUBTOTAL:	\$125,250.00

**Class D Construction Budget Estimate
New Embrun Branch Library**

Metric

No.	Description	Unit	Cost/Unit	Quantity	Amount	Subtotals
08	FINISHES					
	Paint gypsum board	m2	\$ 10.00	1365.00	\$13,650.00	
	Refinish and repaint existing walls & partitions	m2	\$ 30.00	145.00	\$4,350.00	
	Paint gypsum ceiling	m2	\$ 20.00	235.00	\$4,700.00	
	Ceramic Wall Tile - supply and install	m2	\$ 140.00	165.00	\$23,100.00	
	Varnish to new doors	EA	\$ 125.00	25.00	\$3,125.00	
	Paint to PS frames	Allow	\$ 8,000.00	1.00	\$8,000.00	
					SUBTOTAL:	\$56,925.00
09	CEILINGS					
7.1	New Gypsum Board Ceiling and bulheads	m2	\$ 300.00	235.00	\$70,500.00	
7.5	New Suspended Tile Ceiling	m2	\$ 260.00	730.00	\$189,800.00	
					SUBTOTAL:	\$260,300.00
10	MISCELLANEOUS					
	Lockers (single tier)	ea	\$ 460.00	4.00	\$1,840.00	
	Recessed Entrance Floor Grille	ea	\$ 4,000.00	1.00	\$4,000.00	
	Blocking for Washroom Accessories	allow	\$ 5,000.00	1.00	\$5,000.00	
	Green Moss Wall	m2	\$ 1,250.00	7.50	\$9,375.00	
	Fireplace (electric)	allow	\$ 5,000.00	1.00	\$5,000.00	
	Donor Wall	allow	\$ 5,000.00	1.00	\$5,000.00	
					SUBTOTAL:	\$30,215.00
11	ELECTRICAL					
	SUM	SUM	\$ 336,350.00	1.00	\$336,350.00	
					SUBTOTAL:	\$336,350.00
12	MECHANICAL					
	SUM	SUM	\$ 721,200.00	1.00	\$721,200.00	
					SUBTOTAL:	\$721,200.00
13	STRUCTURAL					
	SUM	SUM	\$ 153,824.00	1.00	\$153,824.00	
					SUBTOTAL:	\$153,824.00
14	CONTRACTOR'S FEE					
	15% of construction cost	FEE	\$2,873,283.00	15.00%	\$430,992.45	
					SUBTOTAL:	\$430,992.45
15	PERMIT FEES					
	Construction permit-(11.00 per \$1,000 of construction cost)	FEE	\$0.0110	\$2,873,283.00	\$31,606.11	
					SUBTOTAL:	\$31,606.11

May 30, 2023

CLASS « D » ESTIMATE

Ms Louise Lalande, OAA, MRAIC, CAHP LEED AP
 Lalande + Doyle Integral Construction
 159 Holland Ave, Ottawa
 ON, K1Y 0Y2
llalande@lplusd.com

**SUBJECT: Structural Engineering – Class “D” Estimate
 New Embrun Branch Library – 8 Blais St., Embrun, ON
 O/Ref.: DOYL-005**

A Class 'D' opinion of cost provides an indication of the total cost of the project, based on the user's functional requirements to the degree known at the time. It is based on cost data from outside sources and historical cost data for similar work, suitably adjusted for such factors as: location, risk, quality, size and time. All related factors affecting cost are considered to the extent possible. Such an opinion is strictly an indication (rough order of magnitude) of the projects total cost, with an expected degree of accuracy of 25%. The estimated costs included within this document are in year 2023 dollars.

Our Class 'D' opinion of cost for the realisation of the above-mentioned project is as follows:

Ramp

Formwork concrete & rebar	1 each	\$ 38,750.00	\$ 38,750.00
slab on grade	49 m2	\$ 100.00	\$ 4,900.00
Excavation	43 m	\$ 174.00	\$ 7,482.00

Ext Stair

Formwork concrete & rebar	1 each	\$ 10,000.00	\$ 10,000.00
Wood framing	1 each	\$ 3,000.00	\$ 3,000.00
Excavation	8 m	\$ 174.00	\$ 1,392.00

Misc Wood framing

4' Skylight roof reinforcement & installation	6 trusses	\$ 2,200.00	\$ 13,200.00
Wall opening framing	12 openings	\$ 850.00	\$ 10,200.00
Roof canopies	2 each	\$ 4,500.00	\$ 9,000.00

Floor framing at elevator			
wood framing	24 m2	\$ 475.00	\$ 11,400.00
elevator slab	1 each	\$ 4,500.00	\$ 4,500.00
Entrance Roof Framing			
Foundation	1 each	\$ 12,000.00	\$ 12,000.00
Heavy timber frame	1 each	\$ 28,000.00	\$ 28,000.00
Mechanical platform TBC			
Foundation	1 each	\$ -	\$ -
Misc metal platform	1 each	\$ -	\$ -
Total			\$ 153,824.00
Contingency	25%	\$ 38,456.00	\$ 192,280.00

- The above amounts do not include demolition work of the existing structure.
- Mechanical platform scope to be determined.

Trusting the above meets your immediate requirements. Should you have any questions, please do not hesitate to contact the undersigned.

Best regards,



Marc Forgues, P.Eng., ing., LEED AP

Senior Structural Engineer / Assistant Director - Ottawa
Buildings and Bridges



EMBRUN LIBRARY
 CLASS D COST ESTIMATE 2023 05 31

<u>MECHANICAL</u>	<u>DETAILS</u>	<u>SUBTOTAL</u>
MOBILIZATION	-	\$3,000
DEMOLITION		\$8,000
AIR HANDLING UNITS, HRVS & EXHAUST FANS	includes labour and materials	\$315,000
PLUMBING	includes fixtures, piping, valves, insulation, DHWR pump, etc.	\$62,000
HVAC DISTRIBUTION	includes dampers, grilles and diffusers, ductwork, insulation	\$234,700
FIRE EXTINGUISHERS	-	\$2,000
BALANCING	-	\$7,500
SEISMIC	-	\$2,500
COMMISSIONING	-	\$3,500
CONTROLS	-	\$83,000
		<hr/>
		\$721,200
 <u>Electrical</u>		 <u>SUBTOTAL</u>
MOBILIZATION/PERMITS	-	\$10,000
DEMOLITON	-	\$10,000
LIGHTING/EMERGENCY	-	\$165,750
POWER/DATA	-	\$106,800
DISTRIBUTION	-	\$16,000
FIRE ALARM	-	\$22,800
CONTRACT CLOSEOUT	-	\$5,000
		<hr/>
		\$336,350
 <hr/>		
	SUBTOTAL	\$1,057,550
	CLASS 'D' (+/- 25% Contingency)	\$1,321,938